

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1			Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV	21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV	26	MARPAT enhanced with FSORT command
NEWS	4	NOV	26	CHEMSAFE now available on STN Easy
NEWS	5	NOV	26	Two new SET commands increase convenience of STN searching
NEWS	6	DEC	01	ChemPort single article sales feature unavailable
NEWS	7	DEC	12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC	17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN	06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	10	JAN	07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	11	FEB	02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB	02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB	06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB	10	COMPENDEX reloaded and enhanced
NEWS	15	FEB	11	WTEXTILES reloaded and enhanced
NEWS	16	FEB	19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	17	FEB	19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB	23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB	23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB	23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB	23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB	25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	23	MAR	06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	24	MAR	11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	25	MAR	11	ESBIOBASE reloaded and enhanced
NEWS	26	MAR	20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	27	MAR	23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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agreement. This agreement limits use to scientific research. Use
for software development or design, implementation of commercial
gateways, or use of CAS and STN data in the building of commercial
products is prohibited and may result in loss of user privileges
and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 01:18:41 ON 30 MAR 2009

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.22	0.22

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 01:19:02 ON 30 MAR 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s devulcaniz? and rubber(p)particle? and bacteria and break?(p)sulfur(p)bridges

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA

35 FILES SEARCHED...

1 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
1 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS

1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 QUE DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?(P) SULFUR(P) BRIDGES

=> file ifipat uspatfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.36

1.58

FILE 'IFIPAT' ENTERED AT 01:20:25 ON 30 MAR 2009

COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 01:20:25 ON 30 MAR 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 2 L1

=> rem dup l2

DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21	- delete a single L-number
DELETE L3-L6	- delete a range of L-numbers
DELETE LAST 4	- delete the last 4 L-numbers

DELETE L33-	- delete L33 and any higher L-number
DELETE -L55	- delete L55 and any lower L-number
DELETE L2-L6 RENUMBER	- delete a range of L-numbers and renumber remaining L-numbers
DELETE RENUMBER	- renumber L-numbers after deletion of intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```

DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED - delete all saved queries, answer sets,
                and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT - delete all user-defined display formats
DELETE FIELD - delete all user-defined search fields
DELETE SELECT - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                session at L1

```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```

=> s l2
L3          2 L2

```

```

=> rem dup l3
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the
system.

```

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
DELETE L21           - delete a single L-number
DELETE L3-L6         - delete a range of L-numbers
DELETE LAST 4        - delete the last 4 L-numbers
DELETE L33-          - delete L33 and any higher L-number
DELETE -L55          - delete L55 and any lower L-number
DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                      renumber remaining L-numbers
DELETE RENUMBER      - renumber L-numbers after deletion of
                      intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED   - delete all saved queries, answer sets,
                  and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT  - delete all user-defined display formats
DELETE FIELD   - delete all user-defined search fields
DELETE SELECT  - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                  session at L1
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> dup rem l3
PROCESSING COMPLETED FOR L3
L4          1 DUP REM L3 (1 DUPLICATE REMOVED)
```

```
=> d l4 1
```

```
L4  ANSWER 1 OF 1  IFIPAT  COPYRIGHT 2009 IFI on STN  DUPLICATE 1
AN  11359995  IFIPAT;IFIUDB;IFICDB
TI  Process for surface activation and/or devulcanisation of
    sulfur-vulcanized rubber particles
IN  Neumann Willi (DE)
PA  Unassigned Or Assigned To Individual (68000)
PPA Cristallo Holdings Inc CA (Probable)
PI  US 20070009997  A1  20070111
AI  US 2004-551664  20040329
    WO 2004-IB932    20040329
                      20060621  PCT 371 date
                      20060621  PCT 102(e) date
PRAI DE 2003-10314893  20030401
FI  US 20070009997  20070111
```

DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
ED Entered STN: 12 Jan 2007
Last Updated on STN: 15 Feb 2007
CLMN 21

=> d hist

(FILE 'HOME' ENTERED AT 01:18:41 ON 30 MAR 2009)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 01:19:02 ON 30 MAR 2009
SEA DEVULCANIZ? AND RUBBER(P)PARTICLE? AND BACTERIA AND BREAK?(

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
1 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
1 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS
1 FILE WPINDEX

L1 QUE DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?

FILE 'IFIPAT, USPATFULL' ENTERED AT 01:20:25 ON 30 MAR 2009

L2 2 S L1
L3 2 S L2
L4 1 DUP REM L3 (1 DUPLICATE REMOVED)

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.85

7.43

STN INTERNATIONAL LOGOFF AT 01:20:49 ON 30 MAR 2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAPLUS enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS
NEWS	18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS	19	JAN 25	Annual Reload of MEDLINE database
NEWS	20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS	21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS	22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS	24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.22	0.22

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 19:28:35 ON 11 MAR 2010

63 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s rubber? and (Desulfuromonas or Sulfurospirillum)

1 FILE BIOTECHABS
1 FILE BIOTECHDS
1 FILE CAPLUS
1 FILE IFIPAT
1 FILE PROMT
16 FILE USPATFULL

56 FILES SEARCHED...

4 FILE USPAT2
2 FILE WPIDS
2 FILE WPINDEX

9 FILES HAVE ONE OR MORE ANSWERS, 63 FILES SEARCHED IN STNINDEX

L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

=> file biotechabs biotechds caplus ifipat promt uspatfull uspat2

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.69	0.91

FULL ESTIMATED COST

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 19:29:26 ON 11 MAR 2010

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FILE 'CAPLUS' ENTERED AT 19:29:26 ON 11 MAR 2010

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FILE 'IFIPAT' ENTERED AT 19:29:26 ON 11 MAR 2010
COPYRIGHT (C) 2010 IFI CLAIMS(R) Patent Services (IFI)

FILE 'PROMT' ENTERED AT 19:29:26 ON 11 MAR 2010
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FILE 'USPATFULL' ENTERED AT 19:29:26 ON 11 MAR 2010
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 19:29:26 ON 11 MAR 2010
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 24 L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 23 DUP REM L2 (1 DUPLICATE REMOVED)

=> s l3 and treat?

L4 22 L3 AND TREAT?

=> d l4 1-22

L4 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:847590 CAPLUS

DN 141:333430

TI Process for surface activation and/or devulcanization of sulfur-vulcanized
rubber particles

IN Neumann, Willi

PA Cristallo Holdings Inc., Can.

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				
	TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				
	BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				
	ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,				
	SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,				
	TD, TG				
	DE 10314893	A1	20041104	DE 2003-10314893	20030401
	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1777636	A	20060524	CN 2004-80010990	20040329
	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329

PT 1620498	E	20081117	PT 2004-724078	20040329
ES 2312986	T3	20090301	ES 2004-724078	20040329
RU 2354671	C2	20090510	RU 2005-132452	20040329
ZA 2005008463	A	20061129	ZA 2005-8463	20051019
IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI DE 2003-10314893	A	20030401		
WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 22 IFIPAT COPYRIGHT 2010 IFI on STN
 AN 10668169 IFIPAT;IFIUDB;IFICDB
 TI Microorganism coating components, coatings, and coated surfaces;
 Cell-based particulate as surface treatment component;
 concentrating cells and removing culture media; disrupting, drying
 IN McDaniel C Steven
 PA Reactive Surfaces Ltd (74649)
 PI US 20040175407 A1 20040909 (CITED IN 004 LATER PATENTS)
 AI US 2004-792516 20040303 (10)
 RLI US 2003-655345 20030904 CONTINUATION PENDING
 PRAI US 2002-409102P 20020909 (Provisional)
 FI US 20040175407 20040909
 DT Utility; Patent Application - First Publication
 FS CHEMICAL
 APPLICATION
 ED Entered STN: 10 Sep 2004
 Last Updated on STN: 25 Sep 2006
 CLMN 308

L4 ANSWER 3 OF 22 PROMT COPYRIGHT 2010 Gale Group on STN

ACCESSION NUMBER: 2001:958247 PROMT
 TITLE: A world of extremes.
 AUTHOR(S): WRIGHT, PHILLIP C; BUSTARD, MARK T
 SOURCE: Chemistry and Industry, (16 Apr 2001) pp. 238.
 ISSN: ISSN: 0009-3068.
 PUBLISHER: Society of Chemical Industry
 DOCUMENT TYPE: Newsletter
 LANGUAGE: English
 WORD COUNT: 2874
 FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L4 ANSWER 4 OF 22 USPATFULL on STN

AN 2008:354811 USPATFULL
 TI Anaerobic Production of Hydrogen and Other Chemical Products
 IN Cox, Marion E., Morgan Hill, CA, UNITED STATES
 McDonald, Jeremy N., San Jose, CA, UNITED STATES
 Nondorf, Laura M., Morgan Hill, CA, UNITED STATES
 Cox, Steven M., Morgan Hill, CA, UNITED STATES
 PI US 20080311640 A1 20081218
 AI US 2006-912881 A1 20060427 (11)
 WO 2006-US16332 20060427
 20080623 PCT 371 date
 PRAI US 2005-678101P 20050503 (60)
 US 2005-677856P 20050503 (60)
 US 2005-678077P 20050503 (60)
 US 2005-678100P 20050503 (60)
 US 2005-678098P 20050503 (60)
 US 2005-677998P 20050503 (60)
 DT Utility

FS APPLICATION
 LN.CNT 4369
 INCL INCLM: 435/168.000
 INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100
 NCL NCLM: 435/168.000
 NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200
 IC IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];
 C12N0001-20 [I,A]
 IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];
 C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A];
 C12N0001-20 [I,C]; C12N0001-20 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 22 USPATFULL on STN
 AN 2008:341269 USPATFULL
 TI BIOGENIC FUEL GAS GENERATION IN GEOLOGIC HYDROCARBON DEPOSITS
 IN Pfeiffer, Robert S., Parker, CO, UNITED STATES
 Ulrich, Glenn, Golden, CO, UNITED STATES
 Vanzin, Gary, Arvada, CO, UNITED STATES
 Dannar, Verlin, Sheridan, WY, UNITED STATES
 DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
 Dodson, James B., Castle Rock, CO, UNITED STATES
 PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
 PI US 20080299635 A1 20081204
 US 7640978 B2 20100105
 AI US 2008-136728 A1 20080610 (12)
 RLI Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.
 US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3
 May 2005, PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 1503
 INCL INCLM: 435/167.000
 INCLS: 435/261.000
 NCL NCLM: 435/167.000
 NCLS: 435/261.000
 IC IPCI C12P0005-02 [I,A]; C12P0005-00 [I,C*]; C12N0001-20 [I,A]
 IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; C09K0008-58 [I,A]
 IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; C09K0008-58 [I,C];
 C09K0008-58 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 22 USPATFULL on STN
 AN 2008:330646 USPATFULL
 TI BIOGENIC FUEL GAS GENERATION IN GEOLOGIC HYDROCARBON DEPOSITS
 IN Pfeiffer, Robert S., Parker, CO, UNITED STATES
 Ulrich, Glenn, Golden, CO, UNITED STATES
 Vanzin, Gary, Arvada, CO, UNITED STATES
 Dannar, Verlin, Sheridan, WY, UNITED STATES
 DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
 Dodson, James B., Castle Rock, CO, UNITED STATES
 PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
 PI US 20080289816 A1 20081127
 AI US 2008-129441 A1 20080529 (12)
 RLI Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.
 US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3
 May 2005, PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 1044
 INCL INCLM: 166/246.000
 INCLS: 166/302.000; 166/305.100

NCL NCLM: 166/246.000
NCLS: 166/302.000; 166/305.100
IC IPCI E21B0043-22 [I,A]; E21B0043-16 [I,A]; E21B0036-00 [I,A]
IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0036-00 [I,C];
E21B0036-00 [I,A]; E21B0043-16 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 22 USPATFULL on STN
AN 2008:326628 USPATFULL
TI MICROBIAL FUEL CELLS
IN Lovley, Derek R., Bernardston, MA, UNITED STATES
Nevin, Kelly P., Pelham, MA, UNITED STATES
Zhang, Minjuan, Ann Arbor, MI, UNITED STATES
Jia, Hongfei, Ann Arbor, MI, UNITED STATES
PA Toyota Engineering & Manufacturing North America, Inc., Ann Arbor, MI,
UNITED STATES (U.S. corporation)
University of Massachusetts (U.S. corporation)
PI US 20080286624 A1 20081120
AI US 2007-750583 A1 20070518 (11)
DT Utility
FS APPLICATION
LN.CNT 752
INCL INCLM: 429/027.000
NCL NCLM: 429/027.000
IC IPCI H01M0008-02 [I,A]; H01M0008-16 [I,A]
IPCR H01M0008-02 [I,C]; H01M0008-02 [I,A]; H01M0008-16 [I,C];
H01M0008-16 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 22 USPATFULL on STN
AN 2007:120920 USPATFULL
TI Primers for synthesizing full-length cDNA and their use
IN Ota, Toshio, Fujisawa-shi, JAPAN
Isogai, Takao, Inashiki-gun, JAPAN
Nishikawa, Tetsuo, Tokyo, JAPAN
Hayashi, Koji, Ichihara-shi, JAPAN
Saito, Kaoru, Kisarazu-shi, JAPAN
Yamamoto, Junichi, Kisarazu-shi, JAPAN
Ishii, Shizuko, Kisarazu-shi, JAPAN
Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN
Wakamatsu, Ai, Kisarazu-shi, JAPAN
Nagai, Keiichi, Tokyo, JAPAN
Otsuki, Tetsuji, Kisarazu-shi, JAPAN
PA RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)
PI US 20070105122 A1 20070510
AI US 2004-917503 A1 20040813 (10)
RLI Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED
PRAI JP 1999-248036 19990929
JP 1999-300253 19990827
JP 2000-118776 20000111
JP 2000-183767 20000502
JP 2000-241899 20000609
US 1999-159590P 19991018 (60)
US 2000-183322P 20000217 (60)
DT Utility
FS APPLICATION
LN.CNT 96883
INCL INCLM: 435/006.000
INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200
IC IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C*];

IPCPC12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C*]
C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C*];
A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];
C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];
C12N0001-19 [I,C*]; C12N0001-19 [I,A]; C12N0001-21 [I,C*];
C12N0001-21 [I,A]; C12N0015-12 [I,C*]; C12N0015-12 [I,A];
C12P0021-06 [I,C]; C12P0021-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 22 USPATFULL on STN

AN 2007:120904 USPATFULL

TI Methods and reagents for quantitative analysis of Dehalococcoides species

IN Loeffler, Frank, Atlanta, GA, UNITED STATES

PA Georgia Tech Research Corporation, Atlanta, GA, UNITED STATES,
30332-0415 (U.S. corporation)

PI US 20070105106 A1 20070510

US 7595176 B2 20090929

AI US 2004-558965 A1 20040527 (10)

WO 2004-US16978 20040527

20051130 PCT 371 date

PRAI US 2003-474831P 20030530 (60)

DT Utility

FS APPLICATION

LN.CNT 939

INCL INCLM: 435/006.000

INCLS: 435/270.000

NCL NCLM: 435/091.200; 435/006.000

NCLS: 435/006.000; 435/091.100; 435/270.000

IC IPCI C12Q0001-68 [I,A]; C12N0001-08 [I,A]

IPCI-2 C12Q0001-68 [I,A]; C12P0019-34 [I,A]; C12P0019-00 [I,C*];

IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; C07H0021-00 [I,C*];

C07H0021-02 [I,A]; C07H0021-04 [I,A]; C12N0015-10 [I,C*];

C12N0015-10 [I,A]; C12P0019-00 [I,C]; C12P0019-34 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 22 USPATFULL on STN

AN 2007:11586 USPATFULL

TI Process for surface activation and/or devulcanisation of sulfur-vulcanized rubber particles

IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF

PI US 20070009997 A1 20070111

AI US 2004-551664 A1 20040329 (10)

WO 2004-IB932 20040329

20060621 PCT 371 date

PRAI DE 2003-10314893 20030401

DT Utility

FS APPLICATION

LN.CNT 367

INCL INCLM: 435/130.000

INCLS: 521/041.000

NCL NCLM: 435/130.000

NCLS: 521/041.000

IC IPCI C12P0011-00 [I,A]

IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];

C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];

C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];

C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 22 USPATFULL on STN

AN 2006:298421 USPATFULL

TI Biogenic fuel gas generation in geologic hydrocarbon deposits
 IN Pfeiffer, Robert S., Parker, CO, UNITED STATES
 Ulrich, Glenn, Golden, CO, UNITED STATES
 Vanzin, Gary, Arvada, CO, UNITED STATES
 Dannar, Verlin, Sheridan, WY, UNITED STATES
 DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
 Dodson, James B., Castle Rock, CO, UNITED STATES
 PA LUCA Technologies, LLC, Golden, CO, UNITED STATES (U.S. corporation)
 PI US 20060254765 A1 20061116
 US 7426960 B2 20080923
 AI US 2006-343429 A1 20060130 (11)
 RLI Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3 May 2005,
 PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 1032
 INCL INCLM: 166/246.000
 INCLS: 166/252.300; 166/250.010; 166/267.000
 NCL NCLM: 166/246.000
 NCLS: 166/252.300; 166/272.600; 166/250.010; 166/267.000
 IC IPCI E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0047-10 [I,A];
 E21B0043-40 [I,A]; E21B0043-34 [I,C*]
 IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0049-08 [I,A];
 E21B0049-00 [I,C*]
 IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0049-00 [I,C];
 E21B0049-08 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 12 OF 22 USPATFULL on STN
 AN 2003:194597 USPATFULL
 TI Compositions and methods for microbial dechlorination of polychlorinated
 biphenyl compounds
 IN Sowers, Kevin R., Baltimore, MD, UNITED STATES
 May, Harold D., Charleston, SC, UNITED STATES
 PI US 20030134408 A1 20030717
 US 6946248 B2 20050920
 AI US 2001-860200 A1 20010518 (9)
 PRAI US 2000-205818P 20000519 (60)
 US 2001-266650P 20010206 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1823
 INCL INCLM: 435/252.300
 INCLS: 435/262.500
 NCL NCLM: 435/006.000; 435/252.300
 NCLS: 435/243.000; 435/262.500
 IC [7]
 ICM C12N001-20
 ICS C12S001-00
 IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]
 IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]
 IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
 C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 22 USPATFULL on STN
 AN 2002:868 USPATFULL
 TI Biological system for degrading nitroaromatics in water and soils
 IN Crawford, Donald L., Moscow, ID, United States
 Stevens, Todd O., Richland, WA, United States
 Crawford, Ronald L., Moscow, ID, United States
 PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.

corporation)

PI US 6334954 B1 20020101

AI US 2000-587648 20000605 (9)

RLI Continuation of Ser. No. US 1997-799577, filed on 12 Feb 1997, now patented, Pat. No. US 6084150 Continuation of Ser. No. US 1995-545903, filed on 20 Oct 1995, now patented, Pat. No. US 5616162 Continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994, now abandoned Continuation of Ser. No. US 1993-96735, filed on 23 Jul 1993, now patented, Pat. No. US 5387271 Continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990, now abandoned

DT Utility

FS GRANTED

LN.CNT 1464

INCL INCLM: 210/610.000
INCLS: 210/611.000; 588/202.000; 588/244.000; 405/263.000; 405/264.000; 435/262.500

NCL NCLM: 435/262.500
NCLS: 210/610.000; 210/611.000; 405/263.000; 405/264.000

IC [7]
ICM A62D003-00
ICS B09B003-00; C09K017-00; C02F003-00
IPCI A62D0003-00 [ICM, 7]; B09B0003-00 [ICS, 7]; C09K0017-00 [ICS, 7]; C02F0003-00 [ICS, 7]
IPCR A62D0003-02 [I, A]; A62D0003-00 [I, C*]; A62D0003-00 [I, A]; B09C0001-10 [I, C*]; B09C0001-10 [I, A]; C02F0003-12 [I, C*]; C02F0003-12 [I, A]; C02F0003-28 [I, C*]; C02F0003-28 [I, A]; C02F0003-30 [I, C*]; C02F0003-30 [I, A]; C02F0003-34 [I, C*]; C02F0003-34 [I, A]

EXF 588/202; 588/244; 210/603; 210/610; 210/611; 071/6; 071/8; 071/9; 071/10; 071/903; 071/904; 435/167; 435/262; 435/262.5; 405/263; 405/264

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 22 USPATFULL on STN

AN 2001:55346 USPATFULL

TI Sulphur reducing bacterium and its use in biological desulphurization processes

IN Stetter, Karl Otto, Regensburg, Germany, Federal Republic of
Huber, Harold, Hausen, Germany, Federal Republic of
Buisman, Cees Jan Nico, Harich, Netherlands
Dijkman, Henk, Ijlst, Netherlands
Krol, Johannes Pieter, Sneek, Netherlands

PA Biostar Development C.V., Balk, Netherlands (non-U.S. corporation)

PI US 6217766 B1 20010417
WO 9802524 19980122

AI US 1999-230081 19990324 (9)
WO 1997-NL418 19970716
19990324 PCT 371 date
19990324 PCT 102(e) date

PRAI EP 1996-202023 19960716

DT Utility

FS Granted

LN.CNT 325

INCL INCLM: 210/605.000
INCLS: 210/612.000; 210/621.000; 210/630.000; 435/252.100

NCL NCLM: 210/605.000
NCLS: 210/612.000; 210/621.000; 210/630.000; 435/252.100

IC [7]
ICM C02F003-30
ICS C12N001-12
IPCI C02F0003-30 [ICM, 7]; C12N0001-12 [ICS, 7]
IPCR C12N0001-20 [I, C*]; C12N0001-20 [I, A]; B01D0053-34 [I, C*]; B01D0053-34 [I, A]; B01D0053-50 [I, C*]; B01D0053-50 [I, A];

B01D0053-77 [I,C*]; B01D0053-77 [I,A]; C01B0017-00 [I,C*];
C01B0017-02 [I,A]; C01B0017-05 [I,A]; C02F0003-28 [I,C*];
C02F0003-28 [I,A]; C02F0003-34 [I,C*]; C02F0003-34 [I,A];
C12S0001-00 [I,C*]; C12S0001-02 [I,A]

EXF 210/601; 210/605; 210/612; 210/621; 210/630; 435/252.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 22 USPATFULL on STN

AN 2000:84486 USPATFULL

TI Biological system for degrading nitroaromatics in water and soils

IN Crawford, Donald L., Moscow, ID, United States

Stevens, Todd O., Richland, WA, United States

Crawford, Ronald L., Moscow, ID, United States

PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
corporation)

PI US 6084150 20000704

AI US 1997-799577 19970212 (8)

RLI Continuation of Ser. No. US 1995-545903, filed on 20 Oct 1995 which is a
continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994 which is a
continuation of Ser. No. US 1993-96735, filed on 23 Jul 1993, now
patented, Pat. No. US 5387271 which is a continuation-in-part of Ser.
No. US 1990-508056, filed on 11 Apr 1990, now abandoned

DT Utility

FS Granted

LN.CNT 1594

INCL INCLM: 588/244.000

INCLS: 435/262.500; 405/263.000

NCL NCLM: 435/262.500

NCLS: 405/263.000

IC [7]

ICM A62D003-00

ICS B09B003-00; C09K017-00

IPCI A62D0003-00 [ICM,7]; B09B0003-00 [ICS,7]; C09K0017-00 [ICS,7]

IPCR B09C0001-10 [I,A]; B09C0001-10 [I,C*]; C02F0003-28 [I,A];

C02F0003-28 [I,C*]; C02F0003-30 [N,A]; C02F0003-30 [N,C*];

C02F0003-34 [I,A]; C02F0003-34 [I,C*]

EXF 210/603; 210/610; 210/611; 435/167; 435/262; 435/262.5; 071/6; 071/8-10;
071/903; 071/904; 405/263; 588/244; 588/205

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 22 USPATFULL on STN

AN 97:26756 USPATFULL

TI Biological system for degrading nitroaromatics in water and soils

IN Crawford, Donald L., Moscow, ID, United States

Stevens, Todd O., Richland, WA, United States

Crawford, Ronald L., Moscow, ID, United States

PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
corporation)

PI US 5616162 19970401

AI US 1995-545903 19951020 (8)

RLI Continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994, now
abandoned which is a continuation of Ser. No. US 1993-96735, filed on 23
Jul 1993, now patented, Pat. No. US 5387271 which is a
continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990,
now abandoned

DT Utility

FS Granted

LN.CNT 1575

INCL INCLM: 071/009.000

INCLS: 071/010.000; 071/006.000; 071/903.000; 435/262.000; 435/262.500;
210/610.000; 210/611.000

NCL NCLM: 071/009.000

NCLS: 071/006.000; 071/010.000; 071/903.000; 210/610.000; 210/611.000;
435/262.000; 435/262.500

IC [6]
ICM C02F011-08
ICS C02F003-00; C05G003-00
IPCI C02F0011-08 [ICM,6]; C02F0011-06 [ICM,6,C*]; C02F0003-00 [ICS,6];
C05G0003-00 [ICS,6]
IPCR A62D0003-00 [I,A]; A62D0003-00 [I,C*]; A62D0003-02 [I,A];
B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
C02F0003-12 [I,A]; C02F0003-28 [I,C*]; C02F0003-28 [I,A];
C02F0003-30 [I,C*]; C02F0003-30 [I,A]; C02F0003-34 [I,C*];
C02F0003-34 [I,A]

EXF 071/6; 071/8-10; 071/903; 071/904; 435/262; 435/262.5; 210/610; 210/611
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 17 OF 22 USPATFULL on STN
AN 95:11291 USPATFULL
TI Biological system for degrading nitroaromatics in water and soils
IN Crawford, Donald L., Moscow, ID, United States
Stevens, Todd O., Richland, WA, United States
Crawford, Ronald L., Moscow, ID, United States
PA Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
corporation)
PI US 5387271 19950207
AI US 1993-96735 19930723 (8)
RLI Continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990,
now abandoned
DT Utility
FS Granted
LN.CNT 1712
INCL INCLM: 071/009.000
INCLS: 071/010.000; 071/006.000; 071/903.000; 435/262.000; 435/262.500;
210/610.000; 210/611.000
NCL NCLM: 071/009.000
NCLS: 071/006.000; 071/010.000; 071/903.000; 210/610.000; 210/611.000;
435/262.000; 435/262.500

IC [6]
ICM C05F011-08
ICS C02F003-00; C05G003-00
IPCI C05F0011-08 [ICM,6]; C05F0011-00 [ICM,6,C*]; C02F0003-00 [ICS,6];
C05G0003-00 [ICS,6]
IPCR A01N0033-00 [I,C*]; A01N0033-22 [I,A]; A62D0003-00 [I,C*];
A62D0003-02 [I,A]; B09C0001-10 [I,C*]; B09C0001-10 [I,A];
C02F0003-00 [I,C*]; C02F0003-00 [I,A]; C02F0003-12 [I,C*];
C02F0003-12 [I,A]; C02F0003-28 [I,C*]; C02F0003-28 [I,A];
C02F0003-30 [I,C*]; C02F0003-30 [I,A]; C02F0003-34 [I,C*];
C02F0003-34 [I,A]; C05F0011-00 [I,C*]; C05F0011-08 [I,A];
C05G0003-00 [I,C*]; C05G0003-00 [I,A]; C07C0205-00 [I,C*];
C07C0205-23 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A];
C09K0101-00 [N,A]

EXF 071/6; 071/8-10; 071/903; 071/904; 435/262; 435/262.5; 210/610; 210/611
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 22 USPATFULL on STN
AN 93:27032 USPATFULL
TI Method for microbial dehalogenation of haloaliphatic compounds using a
sulfate reducing bacteria, desulfomonile tiedjei
IN Cole, James R., East Lansing, MI, United States
Fathepure, Babu Z., Lansing, MI, United States
Tiedje, James M., Lansing, MI, United States
PA Board of Trustees operating Michigan State University, East Lansing, MI,
United States (U.S. corporation)

PI US 5200343 19930406
 AI US 1991-695295 19910503 (7)
 DT Utility
 FS Granted
 LN.CNT 711
 INCL INCLM: 435/262.500
 INCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000
 NCL NCLM: 435/262.500
 NCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000
 IC [5]
 ICM C12N009-00
 ICS C12N001-00
 IPCI C12N0009-00 [ICM,5]; C12N0001-00 [ICS,5]
 IPCR A62D0003-02 [I,A]; A62D0003-00 [I,C*]; A62D0003-00 [I,A];
 B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
 C02F0003-12 [I,A]; C02F0003-34 [I,C*]; C02F0003-34 [I,A];
 C12P0001-04 [I,C*]; C12P0001-04 [I,A]
 EXF 435/262.5; 435/262; 435/243
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 19 OF 22 USPAT2 on STN
 AN 2008:341269 USPAT2
 TI Biogenic fuel gas generation in geologic hydrocarbon deposits
 IN Pfeiffer, Robert S., Parker, CO, UNITED STATES
 Ulrich, Glenn, Golden, CO, UNITED STATES
 Vanzin, Gary, Arvada, CO, UNITED STATES
 Dannar, Verlin, Sheridan, WY, UNITED STATES
 DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
 Dodson, James B., Castle Rock, CO, UNITED STATES
 PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
 PI US 7640978 B2 20100105
 AI US 2008-136728 20080610 (12)
 RLI Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.
 US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3
 May 2005, PENDING
 DT Utility
 FS GRANTED
 LN.CNT 1832
 INCL INCLM: 166/246.000
 INCLS: 507/201.000; 428/243.000
 NCL NCLM: 435/167.000
 NCLS: 435/261.000
 IC IPCI C12P0005-02 [I,A]; C12P0005-00 [I,C*]; C12N0001-20 [I,A]
 IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; C09K0008-58 [I,A]
 IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; C09K0008-58 [I,C];
 C09K0008-58 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 20 OF 22 USPAT2 on STN
 AN 2007:120904 USPAT2
 TI Methods and reagents for quantitative analysis of Dehalococcoides
 species
 IN Loeffler, Frank, Atlanta, GA, UNITED STATES
 Ritalahti, Kirsti M., Atlanta, GA, UNITED STATES
 PA Georgia Tech Research Corporation, Atlanta, GA, UNITED STATES (U.S.
 corporation)
 PI US 7595176 B2 20090929
 WO 2004108965 20041216
 AI US 2004-558965 20040527 (10)
 WO 2004-US16978 20040527
 20051130 PCT 371 date
 PRAI US 2003-474831P 20030530 (60)

DT Utility
 FS GRANTED
 LN.CNT 1003
 INCL INCLM: 435/091.200
 INCLS: 435/006.000; 435/091.100
 NCL NCLM: 435/091.200; 435/006.000
 NCLS: 435/006.000; 435/091.100; 435/270.000
 IC IPCI C12Q0001-68 [I,A]; C12N0001-08 [I,A]
 IPCI-2 C12Q0001-68 [I,A]; C12P0019-34 [I,A]; C12P0019-00 [I,C*]
 IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; C07H0021-00 [I,C*];
 C07H0021-02 [I,A]; C07H0021-04 [I,A]; C12N0015-10 [I,C*];
 C12N0015-10 [I,A]; C12P0019-00 [I,C]; C12P0019-34 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 21 OF 22 USPAT2 on STN
 AN 2006:298421 USPAT2
 TI Biogenic fuel gas generation in geologic hydrocarbon deposits
 IN Pfeiffer, Robert S., Parker, CO, UNITED STATES
 Ulrich, Glenn, Golden, CO, UNITED STATES
 Vanzin, Gary, Arvada, CO, UNITED STATES
 Dannar, Verlin, Sheridan, WY, UNITED STATES
 DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
 Dodson, James B., Castle Rock, CO, UNITED STATES
 PA LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
 PI US 7426960 B2 20080923
 AI US 2006-343429 20060130 (11)
 RLI Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3 May 2005,
 PENDING
 DT Utility
 FS GRANTED
 LN.CNT 1327
 INCL INCLM: 166/246.000
 INCLS: 166/252.300; 166/272.600
 NCL NCLM: 166/246.000
 NCLS: 166/252.300; 166/272.600; 166/250.010; 166/267.000
 IC IPCI E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0047-10 [I,A];
 E21B0043-40 [I,A]; E21B0043-34 [I,C*]
 IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0049-08 [I,A];
 E21B0049-00 [I,C*]
 IPCR E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0049-00 [I,C];
 E21B0049-08 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 22 USPAT2 on STN
 AN 2003:194597 USPAT2
 TI Compositions and methods for microbial dechlorination of polychlorinated
 biphenyl compounds
 IN Sowers, Kevin R., Baltimore, MD, UNITED STATES
 May, Harold D., Charleston, SC, UNITED STATES
 PA University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)
 Biotechnology Institute Medical University of South Carolina,
 Charleston, SC, UNITED STATES (U.S. corporation)
 PI US 6946248 B2 20050920
 AI US 2001-860200 20010518 (9)
 PRAI US 2000-205818P 20000519 (60)
 US 2001-266650P 20010206 (60)
 DT Utility
 FS GRANTED
 LN.CNT 1972
 INCL INCLM: 435/006.000
 INCLS: 435/243.000; 435/262.500
 NCL NCLM: 435/006.000; 435/252.300

NCLS: 435/243.000; 435/262.500
 IC [7]
 ICM C12Q001-68
 ICS C12N001-00; B09B003-00
 IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]
 IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]
 IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
 C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
 EXF 435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;
 530/23.1; 530/24.3-24.33
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 14 14 ab

L4 ANSWER 14 OF 22 USPATFULL on STN
 AB A new sulfur-reducing bacterium denoted as KT7 is described. It is a low-GC Gram-positive bacterium related to the genus Desulfotomaculum, capable of reducing sulfite and sulfate to sulfide, having an optimum growth at a temperature between 48 and 70° C. at a pH of between 5 and 9 and at a conductivity of the liquid medium between 0 and 40 mS/cm. It can be used in a process for removing sulfur compounds from water, wherein the sulfur-containing water is subjected to anaerobic treatment with the new sulfur-reducing bacteria, with the addition of an electron donor. The sulfur-containing water can be spent scrubbing liquid from a flue gas desulfurization step.

=> s 14 and tires

L5 0 L4 AND TIRES

=> s 14 and (thiophila or palmitatis or deleyianum or acetoxidans)

L6 7 L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS)

=> d 16 1-7

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2004:847590 CAPLUS
 DN 141:333430
 TI Process for surface activation and/or devulcanization of sulfur-vulcanized rubber particles
 IN Neumann, Willi
 PA Cristallo Holdings Inc., Can.
 SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

DE 10314893	A1	20041104	DE 2003-10314893	20030401
AU 2004226152	A1	20041014	AU 2004-226152	20040329
CA 2521255	A1	20041014	CA 2004-2521255	20040329
EP 1620498	A1	20060201	EP 2004-724078	20040329
EP 1620498	B1	20080806		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1777636	A	20060524	CN 2004-80010990	20040329
CN 100355821	C	20071219		
JP 2006522198	T	20060928	JP 2006-506400	20040329
BR 2004019272	A	20080408	BR 2004-19272	20040329
AT 403698	T	20080815	AT 2004-724078	20040329
PT 1620498	E	20081117	PT 2004-724078	20040329
ES 2312986	T3	20090301	ES 2004-724078	20040329
RU 2354671	C2	20090510	RU 2005-132452	20040329
ZA 2005008463	A	20061129	ZA 2005-8463	20051019
IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI DE 2003-10314893	A	20030401		
WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 7 USPATFULL on STN
 AN 2008:354811 USPATFULL
 TI Anaerobic Production of Hydrogen and Other Chemical Products
 IN Cox, Marion E., Morgan Hill, CA, UNITED STATES
 McDonald, Jeremy N., San Jose, CA, UNITED STATES
 Nondorf, Laura M., Morgan Hill, CA, UNITED STATES
 Cox, Steven M., Morgan Hill, CA, UNITED STATES
 PI US 20080311640 A1 20081218
 AI US 2006-912881 A1 20060427 (11)
 WO 2006-US16332 20060427
 20080623 PCT 371 date
 PRAI US 2005-678101P 20050503 (60)
 US 2005-677856P 20050503 (60)
 US 2005-678077P 20050503 (60)
 US 2005-678100P 20050503 (60)
 US 2005-678098P 20050503 (60)
 US 2005-677998P 20050503 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 4369
 INCL INCLM: 435/168.000
 INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100
 NCL NCLM: 435/168.000
 NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200
 IC IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];
 C12N0001-20 [I,A]
 IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];
 C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A];
 C12N0001-20 [I,C]; C12N0001-20 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 7 USPATFULL on STN
 AN 2007:120920 USPATFULL
 TI Primers for synthesizing full-length cDNA and their use
 IN Ota, Toshio, Fujisawa-shi, JAPAN
 Isogai, Takao, Inashiki-gun, JAPAN
 Nishikawa, Tetsuo, Tokyo, JAPAN
 Hayashi, Koji, Ichihara-shi, JAPAN

Saito, Kaoru, Kisarazu-shi, JAPAN
Yamamoto, Junichi, Kisarazu-shi, JAPAN
Ishii, Shizuko, Kisarazu-shi, JAPAN
Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN
Wakamatsu, Ai, Kisarazu-shi, JAPAN
Nagai, Keiichi, Tokyo, JAPAN
Otsuki, Tetsuji, Kisarazu-shi, JAPAN

PA RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)
PI US 20070105122 A1 20070510
AI US 2004-917503 A1 20040813 (10)
RLI Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED
PRAI JP 1999-248036 19990929
JP 1999-300253 19990827
JP 2000-118776 20000111
JP 2000-183767 20000502
JP 2000-241899 20000609
US 1999-159590P 19991018 (60)
US 2000-183322P 20000217 (60)
DT Utility
FS APPLICATION
LN.CNT 96883
INCL INCLM: 435/006.000
INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200
IC IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C*];
C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C*]
IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C*];
A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];
C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];
C12N0001-19 [I,C*]; C12N0001-19 [I,A]; C12N0001-21 [I,C*];
C12N0001-21 [I,A]; C12N0015-12 [I,C*]; C12N0015-12 [I,A];
C12P0021-06 [I,C]; C12P0021-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 7 USPATFULL on STN
AN 2007:11586 USPATFULL
TI Process for surface activation and/or devulcanisation of
sulfur-vulcanized rubber particles
IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF
PI US 20070009997 A1 20070111
AI US 2004-551664 A1 20040329 (10)
WO 2004-IB932 20040329

20060621 PCT 371 date
PRAI DE 2003-10314893 20030401

DT Utility
FS APPLICATION

LN.CNT 367

INCL INCLM: 435/130.000
INCLS: 521/041.000
NCL NCLM: 435/130.000
NCLS: 521/041.000

IC IPCI C12P0011-00 [I,A]
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 7 USPATFULL on STN

AN 2003:194597 USPATFULL

TI Compositions and methods for microbial dechlorination of polychlorinated

biphenyl compounds

IN Sowers, Kevin R., Baltimore, MD, UNITED STATES
May, Harold D., Charleston, SC, UNITED STATES

PI US 20030134408 A1 20030717
US 6946248 B2 20050920

AI US 2001-860200 A1 20010518 (9)

PRAI US 2000-205818P 20000519 (60)
US 2001-266650P 20010206 (60)

DT Utility

FS APPLICATION

LN.CNT 1823

INCL INCLM: 435/252.300
INCLS: 435/262.500

NCL NCLM: 435/006.000; 435/252.300
NCLS: 435/243.000; 435/262.500

IC [7]
ICM C12N001-20
ICS C12S001-00
IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]
IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]
IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 7 USPATFULL on STN

AN 93:27032 USPATFULL

TI Method for microbial dehalogenation of haloaliphatic compounds using a
sulfate reducing bacteria, desulfomonile tiedjei

IN Cole, James R., East Lansing, MI, United States
Fathepure, Babu Z., Lansing, MI, United States
Tiedje, James M., Lansing, MI, United States

PA Board of Trustees operating Michigan State University, East Lansing, MI,
United States (U.S. corporation)

PI US 5200343 19930406

AI US 1991-695295 19910503 (7)

DT Utility

FS Granted

LN.CNT 711

INCL INCLM: 435/262.500
INCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000

NCL NCLM: 435/262.500
NCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000

IC [5]
ICM C12N009-00
ICS C12N001-00
IPCI C12N0009-00 [ICM,5]; C12N0001-00 [ICS,5]
IPCR A62D0003-02 [I,A]; A62D0003-00 [I,C*]; A62D0003-00 [I,A];
B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
C02F0003-12 [I,A]; C02F0003-34 [I,C*]; C02F0003-34 [I,A];
C12P0001-04 [I,C*]; C12P0001-04 [I,A]

EXF 435/262.5; 435/262; 435/243

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 7 USPAT2 on STN

AN 2003:194597 USPAT2

TI Compositions and methods for microbial dechlorination of polychlorinated
biphenyl compounds

IN Sowers, Kevin R., Baltimore, MD, UNITED STATES
May, Harold D., Charleston, SC, UNITED STATES

PA University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)
Biotechnology Institute Medical University of South Carolina,
Charleston, SC, UNITED STATES (U.S. corporation)

PI US 6946248 B2 20050920
 AI US 2001-860200 20010518 (9)
 PRAI US 2000-205818P 20000519 (60)
 US 2001-266650P 20010206 (60)
 DT Utility
 FS GRANTED
 LN.CNT 1972
 INCL INCLM: 435/006.000
 INCLS: 435/243.000; 435/262.500
 NCL NCLM: 435/006.000; 435/252.300
 NCLS: 435/243.000; 435/262.500
 IC [7]
 ICM C12Q001-68
 ICS C12N001-00; B09B003-00
 IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]
 IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]
 IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
 C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
 EXF 435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;
 530/23.1; 530/24.3-24.33
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hist

(FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
 AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
 CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
 DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 19:28:35 ON 11 MAR 2010
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 1 FILE BIOTECHABS
 1 FILE BIOTECHDS
 1 FILE CAPLUS
 1 FILE IFIPAT
 1 FILE PROMT
 16 FILE USPATFULL
 4 FILE USPAT2
 2 FILE WPIDS
 2 FILE WPINDEX

L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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 19:29:26 ON 11 MAR 2010

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 L4 22 S L3 AND TREAT?
 L5 0 S L4 AND TIRES
 L6 7 S L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS

=> s l6 and devulcaniz?

L7 2 L6 AND DEVULCANIZ?

=> d l7 1-2

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2004:847590 CAPLUS
 DN 141:333430
 TI Process for surface activation and/or devulcanization of

sulfur-vulcanized rubber particles
 IN Neumann, Willi
 PA Cristallo Holdings Inc., Can.
 SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10314893	A1	20041104	DE 2003-10314893	20030401
	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1777636	A	20060524	CN 2004-80010990	20040329
	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329
	PT 1620498	E	20081117	PT 2004-724078	20040329
	ES 2312986	T3	20090301	ES 2004-724078	20040329
	RU 2354671	C2	20090510	RU 2005-132452	20040329
	ZA 2005008463	A	20061129	ZA 2005-8463	20051019
	IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
	US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI	DE 2003-10314893	A	20030401		
	WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 USPATFULL on STN

AN 2007:11586 USPATFULL

TI Process for surface activation and/or devulcanisation of
 sulfur-vulcanized rubber particles

IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF

PI US 20070009997 A1 20070111

AI US 2004-551664 A1 20040329 (10)

WO 2004-IB932 20040329

20060621 PCT 371 date

PRAI DE 2003-10314893 20030401

DT Utility

FS APPLICATION

LN.CNT 367

INCL INCLM: 435/130.000

INCLS: 521/041.000

NCL NCLM: 435/130.000

NCLS: 521/041.000
 IC IPCI C12P0011-00 [I,A]
 IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
 C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
 C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
 C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 16 and surface
 L8 6 L6 AND SURFACE

=> s 16 and rubber(p)particle?
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'RUBBER(P)PARTICLE?'
 L9 2 L6 AND RUBBER(P) PARTICLE?

=> d 19 1-2

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2004:847590 CAPLUS
 DN 141:333430
 TI Process for surface activation and/or devulcanization of sulfur-vulcanized
 rubber particles
 IN Neumann, Willi
 PA Cristallo Holdings Inc., Can.
 SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10314893	A1	20041104	DE 2003-10314893	20030401
	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1777636	A	20060524	CN 2004-80010990	20040329
	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329
	PT 1620498	E	20081117	PT 2004-724078	20040329
	ES 2312986	T3	20090301	ES 2004-724078	20040329
	RU 2354671	C2	20090510	RU 2005-132452	20040329
	ZA 2005008463	A	20061129	ZA 2005-8463	20051019
	IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024

US 20070009997 A1 20070111 US 2006-551664 20060621
PRAI DE 2003-10314893 A 20030401
WO 2004-IB932 W 20040329

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 2 USPATFULL on STN
AN 2007:11586 USPATFULL
TI Process for surface activation and/or devulcanisation of
sulfur-vulcanized rubber particles
IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF
PI US 20070009997 A1 20070111
AI US 2004-551664 A1 20040329 (10)
WO 2004-IB932 20040329
20060621 PCT 371 date
PRAI DE 2003-10314893 20030401
DT Utility
FS APPLICATION
LN.CNT 367
INCL INCLM: 435/130.000
INCLS: 521/041.000
NCL NCLM: 435/130.000
NCLS: 521/041.000
IC IPCI C12P0011-00 [I,A]
IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 19:28:35 ON 11 MAR 2010
SEA RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

1 FILE BIOTECHABS
1 FILE BIOTECHDS
1 FILE CAPLUS
1 FILE IFIPAT
1 FILE PROMT
16 FILE USPATFULL
4 FILE USPAT2
2 FILE WPIDS
2 FILE WPINDEX

L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

FILE 'BIOTECHDS, CAPLUS, IFIPAT, PROMT, USPATFULL, USPAT2' ENTERED AT
19:29:26 ON 11 MAR 2010

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L3 23 DUP REM L2 (1 DUPLICATE REMOVED)
L4 22 S L3 AND TREAT?
L5 0 S L4 AND TIRES
L6 7 S L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS
L7 2 S L6 AND DEVULCANIZ?

L8 6 S L6 AND SURFACE
L9 2 S L6 AND RUBBER(P)PARTICLE?

=> d 18 1-6

L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2004:847590 CAPLUS
DN 141:333430
TI Process for surface activation and/or devulcanization of
sulfur-vulcanized rubber particles
IN Neumann, Willi
PA Cristallo Holdings Inc., Can.
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10314893	A1	20041104	DE 2003-10314893	20030401
	AU 2004226152	A1	20041014	AU 2004-226152	20040329
	CA 2521255	A1	20041014	CA 2004-2521255	20040329
	EP 1620498	A1	20060201	EP 2004-724078	20040329
	EP 1620498	B1	20080806		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	CN 1777636	A	20060524	CN 2004-80010990	20040329
	CN 100355821	C	20071219		
	JP 2006522198	T	20060928	JP 2006-506400	20040329
	BR 2004019272	A	20080408	BR 2004-19272	20040329
	AT 403698	T	20080815	AT 2004-724078	20040329
	PT 1620498	E	20081117	PT 2004-724078	20040329
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	ZA 2005008463	A	20061129	ZA 2005-8463	20051019
	IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
	US 20070009997	A1	20070111	US 2006-551664	20060621
PRAI	DE 2003-10314893	A	20030401		
	WO 2004-IB932	W	20040329		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 6 USPATFULL on STN
AN 2008:354811 USPATFULL
TI Anaerobic Production of Hydrogen and Other Chemical Products
IN Cox, Marion E., Morgan Hill, CA, UNITED STATES
McDonald, Jeremy N., San Jose, CA, UNITED STATES
Nondorf, Laura M., Morgan Hill, CA, UNITED STATES
Cox, Steven M., Morgan Hill, CA, UNITED STATES

PI US 20080311640 A1 20081218
 AI US 2006-912881 A1 20060427 (11)
 WO 2006-US16332 20060427
 20080623 PCT 371 date
 PRAI US 2005-678101P 20050503 (60)
 US 2005-677856P 20050503 (60)
 US 2005-678077P 20050503 (60)
 US 2005-678100P 20050503 (60)
 US 2005-678098P 20050503 (60)
 US 2005-677998P 20050503 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 4369
 INCL INCLM: 435/168.000
 INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100
 NCL NCLM: 435/168.000
 NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200
 IC IPCI C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];
 C12N0001-20 [I,A]
 IPCR C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];
 C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A];
 C12N0001-20 [I,C]; C12N0001-20 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L8 ANSWER 3 OF 6 USPATFULL on STN
 AN 2007:120920 USPATFULL
 TI Primers for synthesizing full-length cDNA and their use
 IN Ota, Toshio, Fujisawa-shi, JAPAN
 Isogai, Takao, Inashiki-gun, JAPAN
 Nishikawa, Tetsuo, Tokyo, JAPAN
 Hayashi, Koji, Ichihara-shi, JAPAN
 Saito, Kaoru, Kisarazu-shi, JAPAN
 Yamamoto, Junichi, Kisarazu-shi, JAPAN
 Ishii, Shizuko, Kisarazu-shi, JAPAN
 Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN
 Wakamatsu, Ai, Kisarazu-shi, JAPAN
 Nagai, Keiichi, Tokyo, JAPAN
 Otsuki, Tetsuji, Kisarazu-shi, JAPAN
 PA RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)
 PI US 20070105122 A1 20070510
 AI US 2004-917503 A1 20040813 (10)
 RLI Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED
 PRAI JP 1999-248036 19990929
 JP 1999-300253 19990827
 JP 2000-118776 20000111
 JP 2000-183767 20000502
 JP 2000-241899 20000609
 US 1999-159590P 19991018 (60)
 US 2000-183322P 20000217 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 96883
 INCL INCLM: 435/006.000
 INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000
 NCL NCLM: 435/006.000
 NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200
 IC IPCI C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C*];
 C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C*]
 IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C*];
 A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];
 C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];
 C12N0001-19 [I,C*]; C12N0001-19 [I,A]; C12N0001-21 [I,C*];

C12N0001-21 [I,A]; C12N0015-12 [I,C*]; C12N0015-12 [I,A];
C12P0021-06 [I,C]; C12P0021-06 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 6 USPATFULL on STN

AN 2007:11586 USPATFULL

TI Process for surface activation and/or devulcanisation of
sulfur-vulcanized rubber particles

IN Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF

PI US 20070009997 A1 20070111

AI US 2004-551664 A1 20040329 (10)

WO 2004-IB932 20040329

20060621 PCT 371 date

PRAI DE 2003-10314893 20030401

DT Utility

FS APPLICATION

LN.CNT 367

INCL INCLM: 435/130.000

INCLS: 521/041.000

NCL NCLM: 435/130.000

NCLS: 521/041.000

IC IPCI C12P0011-00 [I,A]

IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 6 USPATFULL on STN

AN 2003:194597 USPATFULL

TI Compositions and methods for microbial dechlorination of polychlorinated
biphenyl compounds

IN Sowers, Kevin R., Baltimore, MD, UNITED STATES

May, Harold D., Charleston, SC, UNITED STATES

PI US 20030134408 A1 20030717

US 6946248 B2 20050920

AI US 2001-860200 A1 20010518 (9)

PRAI US 2000-205818P 20000519 (60)

US 2001-266650P 20010206 (60)

DT Utility

FS APPLICATION

LN.CNT 1823

INCL INCLM: 435/252.300

INCLS: 435/262.500

NCL NCLM: 435/006.000; 435/252.300

NCLS: 435/243.000; 435/262.500

IC [7]

ICM C12N001-20

ICS C12S001-00

IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]

IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]

IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];

C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 6 USPAT2 on STN

AN 2003:194597 USPAT2

TI Compositions and methods for microbial dechlorination of polychlorinated
biphenyl compounds

IN Sowers, Kevin R., Baltimore, MD, UNITED STATES

May, Harold D., Charleston, SC, UNITED STATES

PA University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)

Biotechnology Institute Medical University of South Carolina,
 Charleston, SC, UNITED STATES (U.S. corporation)

PI US 6946248 B2 20050920
 AI US 2001-860200 20010518 (9)
 PRAI US 2000-205818P 20000519 (60)
 US 2001-266650P 20010206 (60)

DT Utility
 FS GRANTED

LN.CNT 1972

INCL INCLM: 435/006.000
 INCLS: 435/243.000; 435/262.500

NCL NCLM: 435/006.000; 435/252.300
 NCLS: 435/243.000; 435/262.500

IC [7]
 ICM C12Q001-68
 ICS C12N001-00; B09B003-00
 IPCI C12N0001-20 [ICM,7]; C12S0001-00 [ICS,7]
 IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]
 IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
 C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]

EXF 435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;
 530/23.1; 530/24.3-24.33

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l6 and treat?(p)rubber(p)particle?
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'TREAT?(P)RUBBER'
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'RUBBER(P)PARTICLE?'

L10 2 L6 AND TREAT?(P) RUBBER(P) PARTICLE?

=> d 1-2

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:847590 CAPLUS

DN 141:333430

TI Process for surface activation and/or devulcanization of sulfur-vulcanized
 rubber particles

IN Neumann, Willi

PA Cristallo Holdings Inc., Can.

SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087799	A1	20041014	WO 2004-IB932	20040329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	AU 2004226152	A1	20041014	AU 2004-226152	20040329

CA 2521255	A1	20041014	CA 2004-2521255	20040329
EP 1620498	A1	20060201	EP 2004-724078	20040329
EP 1620498	B1	20080806		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1777636	A	20060524	CN 2004-80010990	20040329
CN 100355821	C	20071219		
JP 2006522198	T	20060928	JP 2006-506400	20040329
BR 2004019272	A	20080408	BR 2004-19272	20040329
AT 403698	T	20080815	AT 2004-724078	20040329
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IN 2005MN01176	A	20060505	IN 2005-MN1176	20051024
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PRAI DE 2003-10314893	A	20030401		
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PRAI DE 2003-10314893 20030401
DT Utility
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INCL INCLM: 435/130.000
INCLS: 521/041.000
NCL NCLM: 435/130.000
NCLS: 521/041.000
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IPCR C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
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CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
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SEA RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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1 FILE BIOTECHDS
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1 FILE PROMT

16 FILE USPATFULL
4 FILE USPAT2
2 FILE WPIDS
2 FILE WPINDEX
L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

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19:29:26 ON 11 MAR 2010

L2 24 S L1
L3 23 DUP REM L2 (1 DUPLICATE REMOVED)
L4 22 S L3 AND TREAT?
L5 0 S L4 AND TIRES
L6 7 S L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS
L7 2 S L6 AND DEVULCANIZ?
L8 6 S L6 AND SURFACE
L9 2 S L6 AND RUBBER(P)PARTICLE?
L10 2 S L6 AND TREAT?(P)RUBBER(P)PARTICLE?

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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107.89

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